

Docket No. AUS920010054US1

CLAIMS:

What is claimed is:

1. A method for generating a full thread dump at a
5 server virtual machine, comprising:
 receiving a server dump request from a client
virtual machine;
 invoking a task to issue a thread dump request;
 generating a thread dump in response to the thread
10 dump request; and
 passing the thread dump to the client virtual
machine.
2. The method of claim 1, wherein the step of receiving
15 a server dump request comprises receiving the server dump
request using remote method invocation protocol.
3. The method of claim 1, wherein the step of passing
the full thread dump to the client virtual machine
20 comprises:
 capturing the thread dump using a hook; and
 passing the captured thread dump to the server task.
4. The method of claim 3, wherein the hook is vfprintf.
25
5. The method of claim 3, wherein the step of capturing
the thread dump using a hook comprises reading the
captured thread dump from a standard file handle for
error messages.
- 30
6. The method of claim 3, wherein the standard file
handle for error messages is stderr.

Docket No. AUS920010054US1

7. The method of claim 3, wherein the step of passing the thread dump to the client virtual machine further comprises:

5 sending the thread dump from the server task to the client virtual machine using remote method invocation protocol.

8. The method of claim 1, wherein the step of passing the thread dump to the client virtual machine comprises
10 sending the thread dump using remote method invocation protocol.

9. A method for generating a server virtual machine full thread dump at a remote virtual machine, comprising:
15 sending a server thread dump request to the server virtual machine;
receiving a thread dump from the server virtual machine; and
presenting the thread dump.

20 10. The method of claim 9, further comprising:
debugging the server virtual machine at the remote virtual machine using the thread dump.

Docket No. AUS920010054US1

11. An apparatus for generating a thread dump at a server virtual machine, comprising:

receipt means for receiving a server dump request from a client virtual machine;

5 invocation means for invoking a task to issue a thread dump request;

generation means for generating a thread dump in response to the thread dump request; and

10 communication means for passing the thread dump to the client virtual machine.

12. The apparatus of claim 11, wherein the receipt means comprises means for receiving the server dump request using remote method invocation protocol.

15

13. The apparatus of claim 11, wherein the communication means comprises:

capture means for capturing the thread dump using a hook; and

20 passing means for passing the captured thread dump to the server task.

14. The apparatus of claim 13, wherein the hook is `fprintf`.

25

15. The apparatus of claim 13, wherein the capture means comprises means for reading the captured thread dump from a standard file handle for error messages.

30 16. The apparatus of claim 13, wherein the standard file handle for error messages is `stderr`.

Docket No. AUS920010054US1

17. The apparatus of claim 13, wherein the passing means further comprises:

means for sending the thread dump from the server task to the client virtual machine using remote method invocation protocol.

18. The apparatus of claim 11, wherein the communication means comprises means for sending the full thread dump using remote method invocation protocol.

10

19. An apparatus for generating a server virtual machine thread dump at a remote virtual machine, comprising:

sending means for sending a server thread dump request to the server virtual machine;

15 receipt means for receiving a thread dump from the server virtual machine; and

presentation means for presenting the thread dump at the remote virtual machine.

20 20. A computer program product, in a computer readable medium, for generating a full thread dump at a server virtual machine, comprising:

instructions for receiving a server dump request from a client virtual machine;

25 instructions for invoking a task to issue a thread dump request;

instructions for generating a thread dump in response to the thread dump request; and

30 instructions for passing the thread dump to the client virtual machine.

Docket No. AUS920010054US1

21. A computer program product, in a computer readable medium, for generating a server virtual machine full thread dump at a remote virtual machine, comprising:

- instructions for sending a server thread dump
- 5 request to the server virtual machine;
- instructions for receiving a thread dump from the server virtual machine; and
- instructions for presenting the thread dump.

105049-040501